



PATENT

Docket No. 295002005900

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

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Assistant Commissioner for Patents, Washington, D.C. 20231, on January 2, 2002.

Tami M. Procopio
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Irving BOIME and David Ben-Menahem

Serial No.: 09/175,017

Filing Date: 19 October 1998

For: MULTIPLE DOMAIN
GLYCOPROTEIN HORMONES AND
METHODS OF USING

Examiner: L. M. Spector, Ph.D.

Group Art Unit: 1647

RESPONSE TO A REQUIREMENT FOR INFORMATION
UNDER 37 C.F.R. § 1.105

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This is in response to a Requirement for Information under 37 C.F.R. § 1.105 mailed 2 October 2001, time for response to which was set to expire 2 December 2001. A petition for an extension of time of one (1) month until 2 January 2002 is attached hereto along with the required fee. The Office required information on and copies of the two abstracts disclosed at page 3, lines 10 and 13 of the specification.

The first citation, at line 10 refers to an abstract associated with a meeting of the "Society for the Study of Reproduction" held July 27-30, 1996, at the University of Western Ontario,

London, Ontario, Canada, and is reported in *Biology of Reproduction*, Volume 54, Supplement 1 as Abstract 193. Copies of the cover and of the abstract are enclosed.

The citation at line 13 refers to an abstract distributed in connection with a meeting of the Endocrine Society entitled "Endo '98" at page 89, and is Abstract OR28-3 entitled "Interaction of Different Gonadotropin β Subunits with a Single Common α Subunit" and a copy of this abstract is also enclosed.

Both of the propositions for which these abstracts are cited are also supported in an article published subsequent to the filing of the present application by Ben-Menahem, D., *et al.*, *Biochemistry* (1999) 38:15070-15077. A copy of this document is also enclosed.

Also enclosed is a PTO form, PTO-1449. It is believed that the submission of these documents and the PTO-1449 form is within the scope of the requirement under 37 C.F.R. § 1.105 to which this is a response.

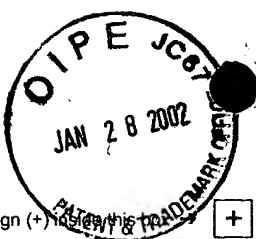
In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket No. 295002005900.

Respectfully submitted,

Dated: January 2, 2002

By: Kate H. Murashige
Kate H. Murashige
Registration No. 29,959

Morrison & Foerster LLP
3811 Valley Centre Drive,
Suite 500
San Diego, California 92130-2332
Telephone: (858) 720-5112
Facsimile: (858) 720-5125



1647
\$

Please type a plus sign (+) in the box.



PTO/SB/21 (08-00)
Approved for use through 10/31/02. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/175,017
Filing Date	19 October 1998
First Named Inventor	Irving BOIME et al.
Group Art Unit	1647
Examiner Name	L. M. Spector, Ph.D.
Attorney Docket No.	295002005900

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ENCLOSURES (check all that apply)

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers
(for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declarations | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input checked="" type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation
Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Postcard |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | Response to Request For Information |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | Copies of 2 Abstracts and 1 Article |
| <input type="checkbox"/> Response to Missing Parts/
Incomplete Application | | |
| <input type="checkbox"/> Response to Missing Parts
under 37 CFR 1.52 or 1.53 | | |

Remarks

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm
or
Individual Name

Kate H. Murashige (Registration No. 29,959)
Morrison & Foerster LLP
3811 Valley Centre Drive, Suite 500
San Diego, CA 92130-2332

Signature

Kate H. Murashige

Date

January 2, 2002

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Burden Hours Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL FOR FY 2001



Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$55.00)

Complete if Known

Application Number	09/175,017
Filing Date	19 October 1998
First Named Inventor	Irving BOIME and David Ben-MENAHIM
Examiner Name	L. M. Spector, Ph.D.
Group Art Unit	1647
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METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 03-1952

Deposit Account Name: Morrison & Foerster LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	- 20** =	x	\$
Multiple Dependent	- 3** =	x	\$

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claims, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)*

** or number previously paid, if greater; For reissues, see above.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	55.00
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions of the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per properties (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$55.00)

SUBMITTED BY

Name (Print/Type)	Kate H. Murashige	Registration No. (Attorney/Agent)	29,959	Telephone	(858) 720-5112
Signature	<i>Kate H. Murashige</i>	Date	January 2, 2002		

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